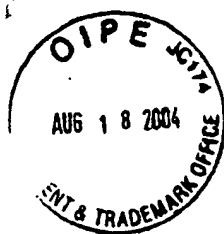


Approved. SC 9/8/04



SUBSTITUTE SPECIFICATION
CLEAN VERSION (WITHOUT MARKINGS)

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This application claims the priority of Japanese Patent Application Nos. 2002-197743 filed July 5, 2002 and 2002-204877 filed July 12, 2002, which are incorporated
10 hereinto by reference.

BACKGROUND OF THE INVENTION

FIELD OF THE INVENTION

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The present invention relates to an electro-photographic image forming apparatus. More particularly, the invention relates to an image forming apparatus for forming images by the electro-photographic process using copiers and printers.

DESCRIPTION OF THE RELATED ART

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Many electrographic copiers and printers form images on one side of a recording material such as recording paper. Now, however, what is called the double-sided image forming apparatus, which is capable of forming images on both sides of a sheet for environmental protection and savings of natural resources, has been commercialized. The double-sided image forming apparatus prints images on a first
25 side and then on the other side, utilizing a paper turn-over mechanism that turns over